

[illegible]

<120> Nucleic acids coding for new acetylcholine receptor beta subunits of insects

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<150> DE 199 59 582.8

<151> 1999-12-10

<160> 4

&lt;170&gt; PatentIn Ver. 2.1

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<211> 1539

<212> DNA

<213> Drosophila melanogaster

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<221> CDS

<222> (43) .. (1365)

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ccc aag ata aag gca cca gtt tcc ggt cct gga ctg cca cta ctg ctg 102  
Pro Lys Ile Lys Ala Pro Val Ser Gly Pro Gly Leu Pro Leu Leu Leu  
5 10 15 20

caa atg cta atg ggg atg ctt ctt atg ggg ctg act tcc gtg cca ggc 150  
Gln Met Leu Met Gly Met Leu Leu Met Gly Leu Thr Ser Val Pro Gly  
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gcc act gcc acc gcg gac ccc aag aac gcc aat gtc aag gcc ctg gat 198  
Ala Thr Ala Thr Ala Asp Pro Lys Asn Ala Asn Val Lys Ala Leu Asp  
40 45 50

cgc ctc cac gcc ggc ctg ttc acg aac tac gac agc gat gtg cag ccg 246  
Arg Leu His Ala Gly Leu Phe Thr Asn Tyr Asp Ser Asp Val Gln Pro  
55 60 65

gtg	ttc	caa	gga	acc	ccc	acg	aac	gtg	tcc	ctg	gaa	atg	gtg	gtc	acc	294
Val	Phe	Gln	Gly	Thr	Pro	Thr	Asn	Val	Ser	Leu	Glu	Met	Val	Val	Thr	
70				75				80								

tac	ata	gac	atc	gac	gag	ttg	aac	ggc	aag	ctg	acc	acc	cac	tgc	tgg	342
Tyr	Ile	Asp	Ile	Asp	Glu	Leu	Asn	Gly	Lys	Leu	Thr	Thr	His	Cys	Trp	
85					90					95					100	





Asp	Val	Gln	Pro	Val	Phe	Gln	Gly	Thr	Pro	Thr	Asn	Val	Ser	Leu	Glu	65	70	75	80
Met	Val	Val	Thr	Tyr	Ile	Asp	Ile	Asp	Glu	Leu	Asn	Gly	Lys	Leu	Thr	85	90	95	
Thr	His	Cys	Trp	Leu	Asn	Leu	Arg	Trp	Arg	Asp	Glu	Glu	Arg	Val	Trp	100	105	110	
Gln	Pro	Ser	Gln	Tyr	Asp	Asn	Ile	Thr	Gln	Ile	Thr	Leu	Lys	Ser	Ser	115	120	125	
Glu	Val	Trp	Thr	Pro	Gln	Ile	Thr	Leu	Phe	Asn	Gly	Asp	Glu	Gly	Gly	130	135	140	
Leu	Met	Ala	Glu	Thr	Gln	Val	Thr	Leu	Ser	His	Asp	Gly	His	Phe	Arg	145	150	155	160
Trp	Met	Pro	Pro	Ala	Val	Tyr	Thr	Ala	Tyr	Cys	Glu	Leu	Asn	Met	Leu	165	170	175	
Asn	Trp	Pro	His	Asp	Lys	Gln	Ser	Cys	Lys	Leu	Lys	Ile	Gly	Ser	Trp	180	185	190	
Gly	Leu	Lys	Val	Val	Leu	Pro	Glu	Asn	Gly	Thr	Ala	Arg	Gly	Glu	Ser	195	200	205	
Leu	Asp	His	Asp	Asp	Leu	Val	Gln	Ser	Pro	Glu	Trp	Glu	Ile	Val	Asp	210	215	220	
Ser	Arg	Ala	His	Phe	Val	Ser	Gln	Asp	Tyr	Tyr	Gly	Tyr	Met	Glu	Tyr	225	230	235	240
Thr	Leu	Thr	Ala	Gln	Arg	Arg	Ser	Ser	Met	Tyr	Thr	Ala	Val	Ile	Tyr	245	250	255	
Thr	Pro	Ala	Ser	Cys	Ile	Val	Ile	Leu	Ala	Leu	Ser	Ala	Phe	Trp	Leu	260	265	270	
Pro	Pro	His	Met	Gly	Gly	Glu	Lys	Ile	Met	Ile	Asn	Gly	Leu	Leu	Ile	275	280	285	
Ile	Val	Ile	Ala	Ala	Phe	Leu	Met	Tyr	Phe	Ala	Gln	Leu	Leu	Pro	Val	290	295	300	
Leu	Ser	Asn	Asn	Thr	Pro	Leu	Val	Val	Ile	Phe	Tyr	Ser	Thr	Ser	Leu	305	310	315	320
Leu	Tyr	Leu	Ser	Val	Ser	Thr	Ile	Val	Glu	Val	Leu	Val	Leu	Tyr	Leu	325	330	335	
Ala	Thr	Gly	Lys	His	Lys	Arg	Arg	Leu	Pro	Glu	Ala	Leu	Arg	Lys	Leu	340	345	350	
Leu	His	Gly	His	Leu	Gly	Thr	Trp	Leu	Leu	Leu	Ser	Val	Phe	Ser	Thr	355	360	365	

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Thr Gly Glu Ser Gln Ala Glu Lys Thr Lys Glu Met Asp Glu His Pro  
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Tyr Glu Glu Ala Asp Glu Gln Glu Ser Ser Pro Leu Gly Ile Asn His  
 385 390 395 400

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